

A new species of the genus *Apotomis* Hübner from Japan (Lepidoptera, Tortricidae)

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Abstract A new species, *Apotomis kusunokii*, is described from Japan.

Key words Lepidoptera, Tortricidae, *Apotomis*, new species, Hokkaido, taxonomy.

Eleven species belonging to the genus *Apotomis* Hübner have been recorded from Japan. Here I newly add one species collected at high altitude of Hokkaido to this genus.

In writing this short paper I must express my deep gratitude to Dr. Hiroshi Inoue, Otsuma Women's University, Iruma, for his kindness extended to me in various ways. My thanks are due to Dr. Y. Kusunoki of Hokkaido, Mr. H. Yamanaka of Toyama and Mr. H. Nakajima of Yokohama, for their kindness in giving me material.

***Apotomis kusunokii* sp. nov.** (Fig. 1)

♂, ♀. Length of forewing 7.5-10 mm. Head and thorax dark grayish brown. Face and antenna grayish brown. Labial palpus grayish brown, tinged with dark grayish brown; median segment dilated towards apex, with slightly projecting scales above and beneath; terminal segment short, exposed. Abdomen dark grayish brown; anal tuft pale grayish brown.

Forewing ground color grayish brown, faintly tinged with pale violet, whitish gray suffusion between median fascia and subterminal fascia, sometimes including a few narrow strigulae and specks, and as in figure 1 in some specimens almost blending with ground color excepting tornus; all markings dark grayish brown (blackish brown); basal fascia ill-defined; median fascia oblique from 1/2 of costa to before tornus, its outer edge concave inwards at middle, in some specimens a whitish dash at angle of its concavity; subterminal fascia represented by a narrow line dotted with blackish brown, from 3/4 of costa to above tornus; fringe concolorous with wing. Hindwing pale grayish brown; fringe concolorous with wing.

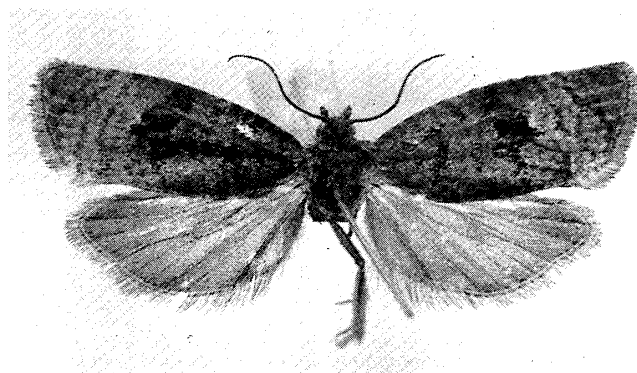
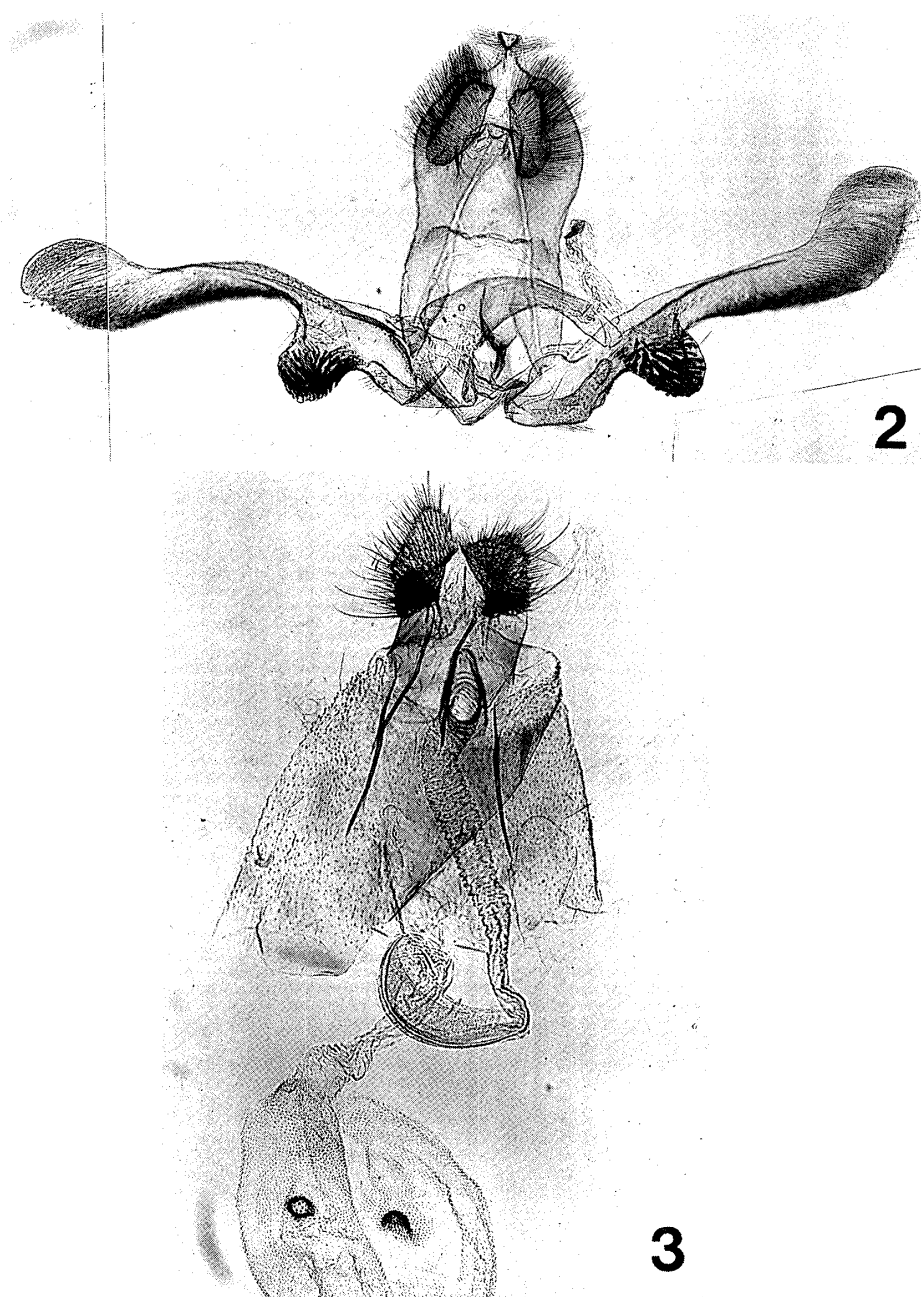


Fig. 1. *Apotomis kusunokii* sp. nov., paratype, ♂.

Male genitalia (Fig. 2). Uncus narrow; socius rather small, densely haired; transtilla a narrow band, finely scobinated at each side; valva slender, long; sacculus with a rather round process, spiny all over; cucullus large, clavate and sinuate. Aedeagus slenderly curved, narrowing towards top; cornutus a short, strong spine broadened at base.

Female genitalia (Fig. 3). Sterigma a broad plate; ostium rather small, ovate, with narrowly sclerotized edge; colliculum short; ductus bursae long, with weakly sclerotized and thickened portion at about $3/5$ of its length; signa of two scobinated patches.



Figs. 2, 3. Genitalia of *Apotomis kusunokii* sp. nov.; 2. Male, holotype, Slide No. 4652; 3. Female, paratype, Slide No. 4653.

Specimens examined. Holotype: ♂, Hokkaido, Mt. Daisetsu, 28. VII. 1983, Y. Kusunoki leg., Slide No. 4652. Paratypes: Hokkaido, Mt. Daisetsu, 1 ♂, 15. VII. 1954, H. Yamanaka leg., Slide No. 4651; 1 ♀, 8. VIII. 1983, H. Nakajima leg., Slide No. 4653; 1 ♂ 1 ♀, 21. VII. 1990, Y. Kusunoki leg., Slide No. 4965 (♂); Hidaka Mts., Mt. Poroshiri (1,900 m), 1 ♂, 21. VII. 1988, Y. Kusunoki leg. All specimens in the collection of A. Kawabe.

Distribution. Japan. This moth is discovered only at high altitude of Hokkaido.

Notes. In the structure of genitalia this species is very similar to *Apotomis sauciana* (Frölich) from Europe, but may easily be distinguished from it by the larger size, the ground color of forewing tinged with violet hue, the excavation of outer edge of median fascia not sharply angulated as in that of *A. sauciana*, and slightly broader cucullus, process of sacculus and ostium.

The specific name is dedicated to my friend, Dr. Yuichi Kusunoki, Asahikawa City of central Hokkaido, one of the discoverers of this new species.

摘 要

北海道の高山帯から発見された *Apotomis* 属の 1 新種 (川辺 湛)

Apotomis 属の種は本邦から 11 種が知られているが、ここに新たに、*A. kusunokii* Kawabe を記載した。翅の色調及び交尾器の形状等から識別は容易であると思う。本種は現在までのところ、大雪山山系など北海道の高山帯のみから採れていて、限られた分布をしている。

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